Applicant: Friedrich BOECKING

Docket No. R.305747

Preliminary Amdt.

**AMENDMENTS TO THE CLAIMS:** 

This listing of claims will replace all prior versions, and listings, of claims in the

application:

**Listing of Claims:** 

Claim 1 (Canceled).

2. (New) In a fuel injection device, having an injection valve, having a line that supplies

highly pressurized fuel to the injection valve during operation, and having a control valve that

controls the pressure in a control chamber of the injection valve, which chamber is connected

to the above-mentioned line, and whose moving valve element is actuatable by an actuator

via a hydraulic coupler that has two pistons that cooperate with a coupler volume of the

coupler, the seat of the moving valve element having an inner cross-sectional surface area f3

and with means for filling the coupler volume with pressurized fuel via guidance gaps of the

pistons,

the improvement wherein the pistons are situated one inside the other in parallel

fashion; a booster chamber situated at the ends of the pistons oriented away from the actuator;

a filling chamber inside the outer piston, the filling chamber being connected to said line; one

of the pistons having a piston surface area f4 being mechanically coupled to the actuator by

means of a rod that has a cross-sectional surface area f5; the other piston, which has a piston

area f2, actuating the control valve by means of a rod that has a cross-sectional area f1 that is

smaller than f2; the direction of the closing movement of the moving valve element

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coinciding with the direction of fuel flowing out of the control chamber so that the control valve is at least partially force-balanced due to the pressure acting on the other piston in the filling chamber.